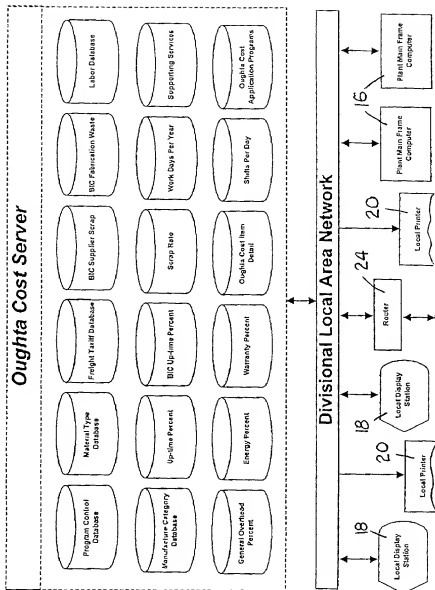


# Oughta Cost System



10 →

Fig 1A

12 →

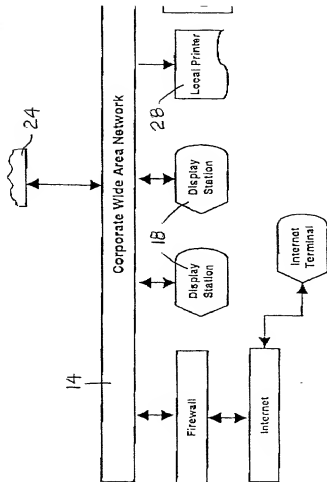


Fig 1B

## Oughta Cost System

Oughta Cost Search

New Crankshaft

## Existing Oughta Cost Studies

Program #	Description	Status	Owner
01122000001	New Crankshaft	Public	Ray Gross
10292000002	Machine New Head	Private	Bill Warren
01222001004	New Core Assembly Process	Public	Gay Denkiau

Name of New Oughta Cost Study

Copy An Existing Study

Create New Study

Open  
Study  
Reports  
Exit

page 3 of 19

DSD415

FIG 2

Material		Program # 02010100007   Component: Shaft   Component # 100   Status: Public	
Cost Components:	Material Type	<div> <div>▼</div> <div>Steel Forging</div> </div>	
-Material	Supplier Scrap:	<div> <div>▼</div> <div>Fine Blanked Steel</div> </div>	
-Capital	Fabrication Waste:	<div> <div>▼</div> <div>Copper</div> </div>	
-Labor		<div> <div>▼</div> <div>Plastic</div> </div>	
-Manufacturing	Freight	<div> <div>▼</div> <div>Die Cast Aluminum</div> </div>	
-Overhead	Origin	<div> <div>▼</div> <div>Brass Bar Stock</div> </div>	
Reports *	Destination	<div> <div>▼</div> <div>Plastic</div> </div>	
None	Mode	<div> <div>▼</div> <div>Bronze Bar Stock</div> </div>	
Exit		<div> <div>▼</div> <div>Nitralloy Steel Bar</div> </div>	
		Light Needed	Returnable Containers
		Material Cost \$	Damage
		Material Cost \$	
		Material Cost \$	
		Rates/CWT	
Materials Table			
Material Code	Unit of Measure	Category	Description
Comments			

page 4 of 19  
B3045

FIG 3

[illegible]

page 5 of 19  
D 5045

D 5045

FIG 4

Material		Program # 02010100001   Component: Shaft   Component # 100   Status: Public			
<div> <div>Material Type</div> <div>Steel Forging</div> </div>					
<div> <div>Supplier Scrap:</div> <div>5.00%</div> </div>					
<div> <div>Fabrication Waste:</div> <div>5.00%</div> </div>					
<div> <div>Freight</div> <div>5.00%</div> </div>					
<div> <div>Origin</div> <div>5.10%</div> </div>					
<div> <div>Manufacturing</div> <div>5.20%</div> </div>					
<div> <div>Overhead</div> <div>5.30%</div> </div>					
<div> <div>Destination</div> <div>5.40%</div> </div>					
<div> <div>Mode</div> <div>5.50%</div> </div>					
<div> <div>Loss</div> <div>0%</div> </div>					
<div> <div>Rates/CWT</div> <div>\$</div> </div>					
<div> <div>Light Needed</div> <div>\$</div> </div>					
<div> <div>Material Cost</div> <div>\$</div> </div>					
<div> <div>Returnable Containers</div> <div>\$</div> </div>					
<div> <div>Damage</div> <div>\$</div> </div>					

Materials Table		
Material Code	Unit of Measure	Description
1-112-A	Ton	Steel Forging

Comments

Page 6 of 19  
D 5045

FIG 5

Material		Program # 02010100001   Component: Shaft   Component # 100   Status: Public			
Material Type <input type="text" value="Steel Forging"/>					
Supplier Scrap: <input type="text" value="5.00%"/>					
Fabrication Waste: <input type="text" value="5.00%"/>					
<b>Cost Components:</b> -Material -Capital -Labor -Manufacturing -Overhead -Repairs -Time -Etc					
<b>Freight</b>					
Origin	<input type="text" value="New York"/>	Total Weight Needed	<input type="text" value="111"/>		Returnable Containers
Destination	<input type="text" value="California"/>	Total Material Cost	\$		Dunnage
Mode	<input type="text" value="Truck Load"/>	Freight Cost	\$		
	<input type="text" value="Less Than Truck Load"/>	Rates/CWT	\$		
	<input type="text" value="Rail"/>				
	<input type="text" value="Boat"/>				
<b>Materials Table</b>					
Material Code	Unit of Measure	Category	Description		
1-112-A	Ton	Forging	Steel Forging		
<b>Comments</b>					

 page 7 of 19  
 D5045

FIG 6

Material		Program # 02010100001 Component: Shaft Component # 100 Status: Public			
<input checked="" type="checkbox"/> Total Components <input type="checkbox"/> Material <input type="checkbox"/> Capital <input type="checkbox"/> Labor <input type="checkbox"/> Manufacturing <input type="checkbox"/> Overhead <input type="checkbox"/> Reports <input type="checkbox"/> Memo <input type="checkbox"/> End		Material Type	Steel Forging		
		Supplier Scrap:	5.00%		
		Fabrication Waste:	5.00%		
<b>Freight</b>					
Origin	New York	Total Weight Needed	111	Returnable Containers	<input type="checkbox"/>
Destination	California	Total Material Cost	\$51.06	Dunnage	<input type="checkbox"/>
Mode	Truck/Land	Freight Cost	\$111		
		Rates/CWT	\$1.00		
<b>Materials Table</b>					
Material Code	Unit of Measure	Category	Description		
1-112-A	Ton	Forging	Steel Forging		
			Crankshaft for 2003 model year V8		
<b>Comments</b>					
This study has only one component.					

Page 8 of 19

D 3045

FIG 7

## Labor

2nd Components  
 -Material  
 -Capital  
 -Labor  
 -Manufacturing  
 -Overhead  
 Reports  
 Home  
 Save & Exit

Program # 01122000001 | Component: Shift | Component # 123456 | Status: Public

Supporting Services: 0% | Region: North |  
 Machining Type: Transfer Line | Skill Level: Standard Machining |  
 Additional Labor \$ 0.00

Employee Type	Number Required	Operation # (OP #)	Default Labor Rate	Employee Benefit (% of Labor Rate)	Employee Benefits
<b>DIRECT LABOR</b>					
Machine Operators	3	10	\$11.00	50 %	\$5.50
Machine Operators	3	20	\$11.00	%	\$3.50
Assembly Test	0		\$9.00	%	\$3.50
<b>INDIRECT LABOR</b>					
Material Handling	5	10	\$8.00	%	\$4.00
Shipping	2	30	\$11.00	%	\$4.00
Receiving	2	05	\$8.00	%	\$4.00
Line Stocking	1	10	\$7.00	%	\$3.50
Material Scheduler	25		\$6.00	%	\$3.00
Inspection	25	20	\$8.00	%	\$4.00
Quality	25	20	\$9.00	%	\$4.50
Supervisor	1		\$14.00	%	\$4.00

FIG 8

 Page 9 of 19  
 D5045

109120.E092E860

## Capital

Cost Components  
Material  
Capital  
Labor  
Manufacturing  
Overhead  
Reports  
None

Program # 0112200003 | Component: Staff | Component # 123456 | Status: Public

## General Capital

Building Expansion	Qty 1	Item Category Building	Depreciation 30 yrs	Capital \$ \$200,000

Add General Item

## Machining Capital

Qty	Op #	Description	Category	Capital \$	Capital Depreciation	Tooling \$	Tooling Depreciation
1	10	Rough Machining	Machine Tool	\$25,000	5 yrs		
	10	Outlets	Tooling		yrs	\$800	1 yrs
					yrs		yrs

Add Machining Item

## Comments

Cancel Help

FIG 9

Page 10 of 19  
D50415

Manufacturing

Program # 0122000001 Component: Shaft Component # 122456 Status: Public

☐

Transfer Line

Manufacturing Category

Uptime Current

Cost Components

-Material

-Capital

-Labor

-Manufacturing

-Overhead

-Support

-Other

Uptime World Class

Scrap Rate

Volume

50%

51%

52%

53%

54%

100%

per

Manufacturing Time

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

Manufacturing Time

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Add Manufacturing Time Element

Page 110 of 19  
D5045

FIG 10

**Manufacturing** Program # 0122000001 | Component: Shaft | Component # 423456 | Status: Public

Cost Components:  
 -Material  
 -Capital  
 -Labor  
 -Manufacturing  
 -Overhead  
 -Repairs  
 -Waste

Manufacturing Category: Transfer Line

Uptime Current: 50%  
 Uptime World Class: 70%  
 Scrap Rate: 75%  
 Volume: 80%  
 Work Days per Year: 85%  
 Work Shifts per Day: 90%  
 Work Hours per Shift: 95%  
 Component Manufacturing Utilization: 100%

per

**Manufacturing Time**

**Manufacturing Time**

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Add Manufacturing Time Element**

Page 12 of 19  
 D5045

FIG 11

**Manufacturing** Program # 01122000001 Component: Shift | Component # 122456 | Status: Public

☒ Manufacturing Components

Material

Capital

Labor

Manufacturing

Overhead

Report

None

Transfer Line

50%

90%

5.00%

5.10%

5.20%

5.30%

5.40%

5.50%

5.60%

5.70%

5.80%

5.90%

per

Manufacturing Time

Work Days per Year

Work Shifts per Day

Work Hours per Shift

Component

Manufacturing Utilization

**Manufacturing Time**

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Yes <input type="checkbox"/> No					

Add Manufacturing Time Element

FIG 12

Page 13 of 19  
D5045

**Manufacturing** Program # 01120000001 | Component: Shift | Component # 123456 | Status: Public

Transfer Line

Manufacturing Category

Uptime Current  50%

Uptime World Class  90%

Scrap Rate  0%

Volume  20,000 per  Year

**Available Manufacturing Time**

Work Days per Year  240

Work Shifts per Day  2

Work Hours per Shift  8

Component

Manufacturing Utilization

**Manufacturing Time**

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12345	05	SEC		
<input type="checkbox"/> Yes <input type="checkbox"/> No			min		
<input type="checkbox"/> Yes <input type="checkbox"/> No			hour		

Add Manufacturing Time Element

FIG 13

DS045  
Page 14 of 19

**Manufacturing** Program # 0122000091 Component: Shift Component # 123456 Status: Public

☒ **Sub Components**  
 -Material  
 -Capital  
 -Labor  
 -Manufacturing  
 -Overhead  
 -Repairs  
 -Tools

Manufacturing Category

Uptime Current   
 Uptime World Class   
 Scrap Rate   
 Volume  per

**Available Manufacturing Time**

Work Days per Year   
 Work Shifts per Day   
 Work Hours per Shift   
 Component Manufacturing Utilization

**Manufacturing Time**

Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	123456	05	sec	80	86,400
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	246810	10	sec	80	86,400
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	357159	20	min	1.3	86,400

**Add Manufacturing Time Element**

Page 15 of 19  
D5045

FIG 14

## OverHead

Cost Components  
 -Material  
 -Capital  
 -Labor  
 -Manufacturing  
 -Overhead  
 -Reports  
 -Rent

Program # 01122000001 Component: Shift Component # 123456 Status: Public

## Depreciation

Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
					%	
<b>TOTALS</b>		<b>\$225,800</b>		<b>\$12,467</b>		<b>\$7,634</b>

## Startup Costs

\$20,000

## Engineering Support

\$10,000

## Warranty Cost (% of Sales)

0.1 %

## Additional Expenses

0.1 %

## Cost Category

Cost Desc

0.2 %

0.4 %

0.5 %

Cost (\$)

Occurrence

## Add Cost Category

## Comments

FIG 15

D5045  
 Page 16 of 19

## Overhead

Program # 01122000001 Component Shift Component # 123456 Status: Public

## Depreciation

Cost Components  
 -Material  
 -Capital  
 -Labor  
 -Manufacturing  
 -Overhead  
 Reports  
 Edit

Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
<b>TOTALS</b>		<b>\$225,800</b>		<b>\$12,467</b>		<b>\$7,634</b>

Startup Costs

\$20,000

Engineering Support

\$10,000

Warranty Cost (% of Sales)

0.1 %

## Additional Expenses

Cost Category	Cost Description	Cost (\$)	Occurrence
Persishable Tooling			
MRO			
General Overhead			
Energy			
Other			

Comments

FIG 16

Page 17 of 19  
DS045

**Reports**

☒ **Standard Report Package**

☒ Material  
☐ Labor  
☐ Capital  
☐ Manufacturing  
☐ Overhead  
☒ Summary

☐ Select  
☐ Program  
☐ Program Description  
☐ Component Control #  
☐ Component:

**Selected Items:**

1201200001
1023200002
01222001004
02102001001

Page 18 of 19  
D5045

FIG 17

Page 19 of 19  
D5045

F18